

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/000934

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K38/18 A61P37/02 C12Q1/68 G01N33/68 C12Q1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbol's)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, PAJ, WPI Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^o	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL [Online] <i>Mus musculus</i> axotrophin mRNA, complete cds. 15 June 1999 (1999-06-15), HAENDEL ET AL.,: "Insertional mutagenesis of a novel gene, axotrophin, causes callosal RT agenesis and neural degeneration" XP002338547 Database accession no. AF155739 abstract</p> <p>-----</p> <p>DATABASE EMBL [Online] Hypothetical protein FLJ12911 (Axotrophin) 1 March 1999 (1999-03-01), XP002338548 Database accession no. Q9H992 <i>Homo sapiens</i> abstract</p> <p>-----</p> <p>-/-</p>	8
X		8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

2 August 2005

Date of mailing of the International search report

12.08.05

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/000934

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL [Online] Axotrophin (March 7 protein) 1 November 1999 (1999-11-01), XP002338549 Database accession no. Q9WV66 Mus musculus abstract -----	8
X	RAMALHO-SANTOS M ET AL: "Stemness: transcriptional profiling of embryonic and adult stem cells" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US, vol. 298, no. 5593, 18 October 2002 (2002-10-18), pages 597-600, XP002327804 ISSN: 0036-8075 cited in the application table 1 -----	8
X	DATABASE Geneseq [Online] 26 June 2001 (2001-06-26), "Human protein sequence SEQ ID NO:17375." XP002338550 retrieved from EBI accession no. GSN:AAB95234 Database accession no. AAB95234 abstract & EP 1 074 617 A (RESEARCH ASSOCIATION FOR BIOTECHNOLOGY; HELIX RES INST) 7 February 2001 (2001-02-07) -----	8
X	DATABASE Geneseq [Online] 12 February 2004 (2004-02-12), "Human MP53 protein sequence SEQ ID NO:59." XP002338551 retrieved from EBI accession no. GSN:ADF69089 Database accession no. ADF69089 abstract & WO 03/083047 A (EXELIXIS, INC; BELVIN, MARCIA; FRANCIS-LANG, HELEN; FRIEDMAN, LORI; PL) 9 October 2003 (2003-10-09) -----	8
X	DATABASE Geneseq [Online] 20 January 2003 (2003-01-20), "Human polypeptide SEQ ID NO 1612." XP002338552 retrieved from EBI accession no. GSN:ABP69565 Database accession no. ABP69565 abstract -/-	8

INTERNATIONAL SEARCH REPORT

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PCT/EP2005/000934

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>-& WO 02/070539 A (HYSEQ, INC; TANG, Y., TOM; ZHOU, PING; GOODRICH, RYLE, W; ASUNDI, VINO) 12 September 2002 (2002-09-12) abstract page 1, line 30 - page 5, line 20 page 49, line 14 - page 54, line 30 page 210; sequence 1612</p> <p>-----</p>	1-20
A	<p>YAMASAKI SHINSUKE ET AL: "Characterization of a gene expressed in layer 5 of the neocortex." NEUROSCIENCE RESEARCH SUPPLEMENT, no. 26, 2002, page S109, XP008050575 & 25TH ANNUAL MEETING OF THE JAPAN NEUROSCIENCE SOCIETY; TOKYO, JAPAN; JULY 07, 2002-JULY 09, 2003 ISSN: 0921-8696 abstract</p> <p>-----</p>	1
P,X	<p>METCALFE S M ET AL: "Transplantation tolerance: gene expression profiles comparing allotolerance vs. allorejection" INTERNATIONAL IMMUNOPHARMACOLOGY, ELSEVIER, AMSTERDAM, NL, vol. 5, no. 1, January 2005 (2005-01), pages 33-39, XP004678650 ISSN: 1567-5769 the whole document</p> <p>-----</p>	1-20
T	<p>METCALFE S M ET AL: "Leukaemia inhibitory factor (LIF) is functionally linked to axotrophin and both LIF and axotrophin are linked to regulatory immune tolerance" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 579, no. 3, 31 January 2005 (2005-01-31), pages 609-614, XP004725165 ISSN: 0014-5793 the whole document</p> <p>-----</p>	1-20

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2005/000934

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple Inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remarks on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 1,6 (6b) are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition

Although claims 5,12-14,16,17,19 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000934

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Information on patent family members

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